



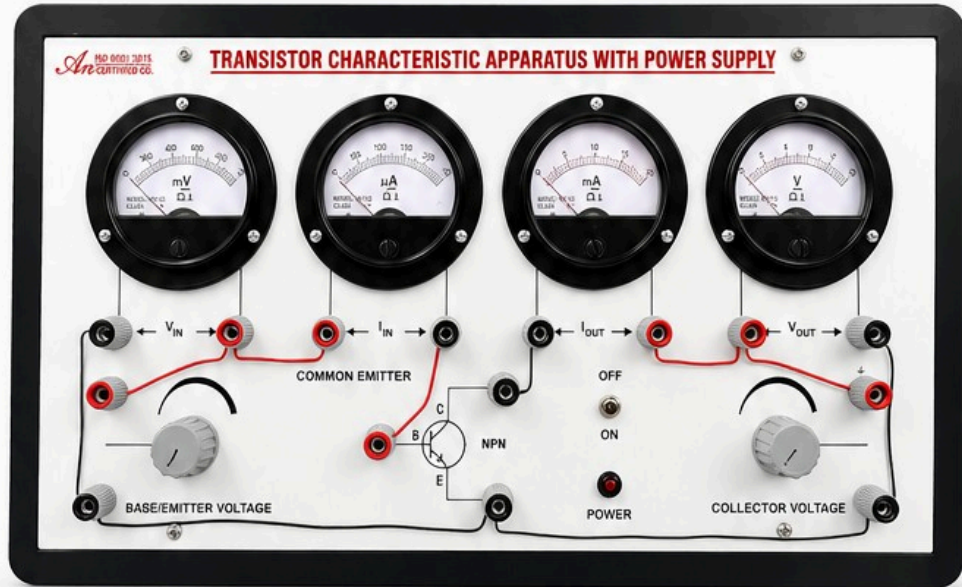
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AnCERTIFIED CO.

PRECISION | QUALITY | RELIABILITY  
For Every Experiment, Accurate Results.

# TRANSISTOR CHARACTERISTIC APPARATUS

## WITH POWER SUPPLY

A comprehensive training system designed to study the input and output characteristics of NPN transistors with built-in DC power supply and precise metering.



### PRECISE MEASUREMENTS

High accuracy analog meters for accurate readings.



### COMPLETE TRANSISTOR STUDY

Measure input & output characteristics of NPN transistor.



### BUILT-IN POWER SUPPLY

Stable and regulated DC power supply for reliable results.



### VARIABLE CONTROLS

Smooth knobs for precise adjustment of base and collector voltage.



### SAFE & DURABLE DESIGN

Robust construction with short circuit protection.



### IDEAL FOR EDUCATION

Perfect for electronics laboratories, colleges and training institutes.

## SPECIFICATIONS

Product Name	Transistor Characteristic Apparatus with Power Supply
Transistor Type	NPN (Fixed)
Study	Input & Output Characteristics
Meters	1 x mV, 1 x $\mu$ A, 1 x mA, 1 x V (Analog)
Base/Emitter Voltage	0 – 10 V DC (Variable)
Collector Voltage	0 – 20 V DC (Variable)
Input Current ( $I_{IN}$ )	0 – 200 $\mu$ A DC
Output Current ( $I_{OUT}$ )	0 – 20 mA DC
Power Supply	230V AC, 50Hz (Built-in)
Dimensions (mm)	Approx. 450 (W) x 250 (H) x 120 (D)
Weight	Approx. 3.5 – 4.0 kg
Application	Electronics Laboratories, Colleges, Training Institutes & R&D

## APPLICATIONS

- ✓ To study input characteristics ( $I_B$  vs  $V_{BE}$ ) of NPN transistor
- ✓ To study output characteristics ( $I_C$  vs  $V_{CE}$ ) of NPN transistor
- ✓ To understand transistor operation in common emitter configuration
- ✓ For practical learning and research in electronics
- ✓ Ideal for students, educators and professionals



LEARN. MEASURE. ANALYZE.  
MASTER TRANSISTOR CHARACTERISTICS.



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